IGNATOV, L.A., inzh.; SUTIN, Ya.G., inzh.

Automatic welding at the Tashkent Excavator Plant. Stroi.i dor. mashinostr. 5 no.3:32-33 Mr '60. (MIRA 13:6)
(Tashkent--Excavating machinery)
(Electric welding)

NIKISHOV, A.S., inzhener; KURGANOV, G.V., inzhener; SUTINA, Yu.A., inzhener.

Heat temperature in hardening alloy AK-4. Vest.mash. 33 no.10:58-59 O '53.
(MLRA 6:10)
(Alloys)

SOV/129-58-10-5/14

AUTHORS: Kurganov, G. V., Candidate of Technical Sciences and Sutina, Yu. A., Engineer

TITLE: Failure of High Temperature Alloys Caused by Cyclic Temperature and Stress Variations (Razrusheniye zharoprochnykh splavov pri tsiklicheskikh izmeneniyakh temperatury i napryazheniya)

PERIODICAL: Metallovedeniye i Obrabotka Metallov, 1958, Nr 10, pp 23-27 (USSR)

ABSTRACT: In the work described in this paper, which was carried out under the leadership of Professor S. T. Kishkin, the simultaneous influence was studied on the strength and creep of cyclically changing temperatures and stresses. The influence of cyclic temperature and stress changes on the strength was determined by comparing the time to failure of the specimen under static and cyclic test regimes. The tests were carried out on a tensile test machine, a sketch of which is given in Fig.1, which enabled maintaining constant the temperature and the stress. The temperature was automatically controlled with an accuracy of + 3°C. The cyclic tensile tests were effected on a machine which is also sketched in Fig.1. After an hour,

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Failure of High Temperature Alloys Caused by Cyclic Temperature and Stress Variations

the load was relieved and the specimen was cooled down to 150°C and then the cycle was repeated. The chemical compositions of some of the tested steels are entered in Table 1; a sketch, Fig.2, shows the shape and size of the test specimens. The following conclusions are arrived at:

1) The mechanism of softening and failure of the specimens of the tested alloys EI437A, EI437B, EI617, ZhS3 and ZhS6 under conditions of long duration operation at elevated temperatures consists in the formation and development of cracks which extend in most cases along the grain boundaries.

2) The development of cracks at elevated temperatures is assisted by the brittle components of the intermetallide phase and also by low melting point admixtures: lead, bismuth, sulphur, etc. which are present along the grain boundaries. Some of these admixtures are surface active, they reduce the surface energy along the grain boundaries and reduce the resistance of the material against formation of cracks and fracture.

Failure of High Temperature Alloys Caused by Cyclic Temperature and Stress Variations

3) Periodic stress and temperature changes reduce considerably the time to failure due to the intensive formation and development of cracks on the specimen surface.
4) Small additions of lead bring about premature failure in long duration tests, particularly in the case of cyclic loading.
There are 5 figures and 4 tables.

1. Heat resistant alloys—Failure 2. Heat resistant alloys—Test methods 3. Heat resistant alloys—Stresses

Card 3/3

NIKISHOV, A.S., inzhener; SUTINA, Yu.A., inzhener; PASTUKHOVA, L.S., inzhener.

Mechanical and physical properties of steel 18KhNVA, 30KhGSA and 30KhMA at higher temperatures. Vest.mash. 33 no.4:52 Ap '53. (MLRA 6:5)
(Steel--Analysis)

SUTKA, J.

Complex method for determination of hardness of wood and its firmness in shifting. p. 97.

BIOLOGICHESKAIA NAUKA; SELSKOMU I LESNOMU KHOZIAISTVU. (Latvijas PSR Zinatnu akademija. Biologijas Zinatnu nodala) Riga, Latvia, No. 15, 1958. In Russian.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

BALINT, Andor, tanszekvezeto egyetemi tanar; SUTKA, Josef; KOVACS, Gezane

Comparative cytological and physiological examination of maize lines treated with irradiation and ethyl methane sulphonate. Biol kozl 12 no.1:11-15 '64.

1. Chair of Plant Improvement of the University of Agriculture.

SCHREIBER, B.; NOVOTNY, A.; SUŤKO, S.

The course of changes of the adhesive index of thrombocytes in physiological postoperative course. Cas.lek.cesk. 99 no.18:565-569 29 Ap '60.

1. II, interni proped. klinika LFHKU v Praze, prednosta prof. MUDr. J. Syllaba. Klinika gynekologicko-porodnicka LFHKU v Praze, prednosta doc.dr. J. Padovec. Transfuzni oddeleni SFN Praha 12, prednosta MUDr. J. Mestan.

(BLOOD PLATELETS)
(SURGERY OPERATIVE)

SUTKO, S.

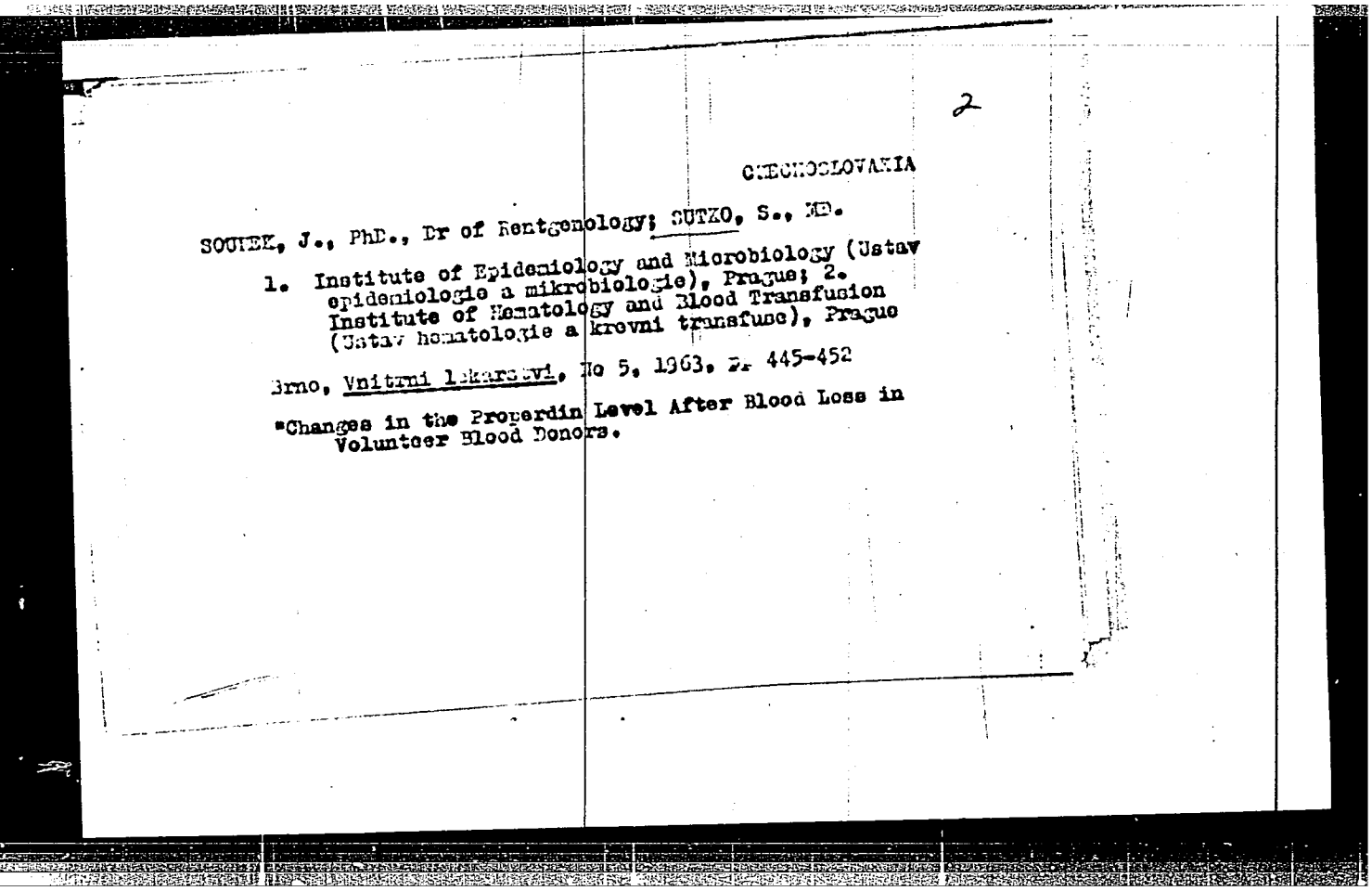
CZECHOSLOVAKIA

no academic degree indicated

Institute of Hematology and Blood Transfusion (Ustav hematologie a krevni transfuse) Prague; Director: prof. J. HOREJSI, DSc, MD.

Prague, Vnitrni Lekarstvi, No 11, Nov 62, pp 1187-1192.

"The Significance of Platelet Adhesiveness for the Diagnosis and Treatment of Diseases of the Blood and Circulation. II. The Value of a New Method for the Determination of Platelet Adhesiveness in the Diagnosis of Hypercoagulation States"



2

CZECHOSLOVAKIA

SOUCEK, J., PhD., Dr of Rentgenology; SUTZO, S., MD.

1. Institute of Epidemiology and Microbiology (Ustav epidemiologie a mikrobiologie), Prague; 2. Institute of Hematology and Blood Transfusion (Ustav hematologie a krevni transfuse), Prague

Brno, Vnitrni lekarstvi, No 5, 1963, pp 445-452

"Changes in the Properdin Level After Blood Loss in Volunteer Blood Donors.

SUTKOVA,A.V. (Kiev, USSR); PONEVA, Lili [translator]

Some pointers to the study of the rules for number computation in the general, vocational and polytechnic schools. Mat i fiz Bulg 6 no.1:21-28 Ja-F'63

1. Urednik, "Matematika i fizika" (for Poneva).

SUTKOVAYA, A. P.

Sutkovaya, A. P. "The histopathologic nervous system during PP-avitaminosis," Trudy Med-institutа (Izhev. gos. med. in-t), Vol. VII, 1949, p. 38-44

SO: U-3850, 16 June 53, (Letopsis 'Zhurnal 'nykh Statey, No. 5, 1949)

SUTKOVAIA, A. P.

Sutkovaya, A. P. "The pathology of the vegetative nervous system of A-B-C avitaminosis," Trudy Medinstituta (Izhev. gos. med. in-t), Vol. VII, 1949, p. 228-36

SO: U-3850, 16 June 53, (Letopsis 'Zhurnal 'nykh Statey, No. 5, 1949)

SUTKUS, A.

Treatment of thyrotoxicosis with single and fractionated doses of I-131. Sveik. apsaug. 6:18-22 S '64.

1. Kauno Valst. medicinos instituto rentgenologijos ir radiologijos katedra, (Katedros vedejas - doc. P. Jašinskas).

L 12832-66

ACC NR: AP6005719 SOURCE CODE: CZ/0082/65/000/003/0237/0237

21 B

AUTHOR: Kozousek, J.; Nedbal, J.; Sutnarova, V.

ORG: Ophthalmological Clinic and Neurological Clinic, Medical Faculty, J. Ev. Purkyne University, Brno (Ocni klinika a neurologicka klinika lekarske fakulty UJEvP)

TITLE: Kjer's form of heredofamiliar atrophy of the optical nerve [This paper was presented at the meeting of Slovak neurologists at Modra-Harmonia, 25-27 June 64.]

SOURCE: Ceskoslovenska neurologie, no. 3, 1965, 237

TOPIC TAGS: neurology, nervous system disease, ophthalmology, heredity, clinical medicine, human genetics

ABSTRACT: A case of atrophy is described in members of 3 generations of one family. Out of 43 members of the family 14 were affected. The heredity was transmitted both by men and women. Detail description of the findings is given. Degenerative stigmata and peculiarities found in the EEG findings are discussed. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 HW

SUTO, D.

Analysis of the economic operations of forestries on the basis of the 1957-58 balance-sheet report. p. 225.

AZ ERDO. (Orszagos Erdeszeti Egyesulet) Budapest, Hungary.
Vol. 11, no. 8, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 11, no. 8, Sept. 1959.

SUTO, Gyula

The work of trade union basic organization in the field of international relations. Munka 13 no.2:36 F '63.

1. Szakszervezetek Orszagos Tanacsa nemzetkozi ostalyanak munkatarsa.

SUTO, Gyula

Tasks in shunting cars at the Debrecen station. Vasut 14 no.11:25 N '64.

SUTO, Ludovic

In close cooperation with the master mechanic. Munca sindic 7 no.10:18-20 O '63.

1. Organizatorul grupei sindicale, banda nr. 17, Fabrica de Confectii Oradea.

ACCESSION NR: AP4042802 S/0020/64/157/003/0729/0732

AUTHOR: El'piner, I. Ye.; Sutokskaya, I. V.; Oparin, A. I., Academician

TITLE: On the effect of ultrasonic waves upon the structure and antibiotic activity of gramicidin C

SOURCE: AN SSSR. Doklady*, v. 157, no. 3, 1964, 729-732

TOPIC TAGS: Gramicidin C, ultrasonic wave, ultrasound effect, chemical ultrasound effect, antibiotic activity, gramicidin structure, Bac. mycoides, Escherichia coli, aromatic aminoacid, aminoacid analysis, glioxalic acid, deamination, peptide, argon, electrophoresis

ABSTRACT: This work was based on earlier studies on the ultrasonic effect upon structure and function of protein and polypeptide molecules with biocatalytic properties. Under the influence of ultrasound the gramicidin C molecules undergo a specific chemical transformation. This is accompanied by the appearance of organic matter in the solution, with bactericidal properties against Bac. mycoides and Escherichia coli, the microorganisms used for this study. The gramicidin molecule configuration is described. The product was used in 0.2, 0.3 and 0.5% diluted

Card 1/3

SUTOKSKIY, N.

We value the honor of Soviet specialists. NTO 5 no.5:9-12 My '63. (MIRA 16:7)

1. Zamestitel' predsedatelya soveta Nauchno-tekhnicheskogo obshchestva Leningradskogo metallicheskogo zavoda imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza. (Engineers)

SUTOR, Julius, promovany fyzik

Problem of the temperature gradient effect on the capillary soil zone. Vodohosp cas 11 no.3:316-335 '63.

1. Ceskoslovenska akademie ved, Ustav hydrologie a hydrauliky, Slovenska akademia vied, Bratislava.

SUTOR, Julius, promovany fyzik

Dynamics of soil moisture caused by the thermal gradient.
Vodohosp cas 12 no.4:419-430 '64.

1. Institute of Hydrology and Hydraulics of the Slovak Academy of Sciences, Bratislava.

S/106/63/000/001/006/007
A055/A126

AUTHORS: Bosenko, V.G., Sutorikhin, N.B., Maksimov, G.Z.

TITLE: Analysis of the operation of the transistorized key with active-inductive load

PERIODICAL: Elektrosvyaz', no. 1, 1963, 64 - 68

TEXT: This article deals essentially with the experimental investigation of the reliability of the operation of transistors operating in circuits containing electromagnetic devices, such as relays, electromagnets of crossbar connectors, etc. Transistor triodes in common-emitter arrangement are considered. To confirm that these triodes can be considered as ideal switches ensuring an instantaneous closing of the circuit, oscillograms of transient processes in systems containing a relay in the transistor-key circuit were recorded. These oscillograms show that the parameters of the transistor triode exert a certain influence on transient processes only when the relay is released and the current in the relay windings drops. The authors examine therefore the process occurring when the relay is switched off by the transistor. They also deduce a formula for

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Analysis of the operation of the transistorized ...

the power dissipated on the collector of the triode with an active-inductive (RL) load. They apply this formula to the П 26 А (P26A) triode controlling a pulse-relay of the Р П Н (RPN) type, and find that the dissipated power does not exceed the permissible value, which is confirmed experimentally. Conclusions: 1) Over-voltages occurring on the collector junction at the switching off of the triode are not dangerous for the triode; apparently, they do not affect the reliability of its operation. 2) The operation of triodes with active-inductive load in switching range will be reliable, provided the power dissipated on the collector does not exceed the permissible limits. 3) Low-power triodes (such as the P26 and P26A-types) can ensure a reliable control of the operation of a number of electromagnetic devices. There are 6 figures and 1 table.

SUBMITTED: March 10, 1962

Card 2/2

BOSENKO, V.G.; MAKSIMOV, G.Z., ispolnyayushchiy obyazannosti dotsenta; SUTORIKHIN, N.B.

Electronic-mechanical system for matching KRR-30/60 apparatus with the equipment of an automatic telephone exchange. Vest. sviazi 23 no.6:10-11 Je '63. (MIRA 16:8)

1. Prorektor Novosibirskogo elektrotekhnicheskogo instituta svyazi (for Bosenko).

L 47347-65 EEC(k)-2/EWA(h)/EWT(1) Pe-4/Pi-4/Pae-2/Pn-4/Pa-4/Peb

SOURCE: Ref. zh. Fizika, Abs. 2Zh87

AUTHOR: Suterikhin, N. B.

TITLE: Economic efficacy of increasing the reliability of repeated-action elec- tron elements

20, 1964, 194-200

reliability,

TRANSLATION: An attempt is made to apply existing criteria and a procedure for ... estimate of the eco- ... elements of elec- ... the coefficient of ... additional expenditures incurred ... system.

SUB CODE: IE, EC ENCL: 00

Card 1/1 cc

SUTORIKHIN, V. N.

BUKHAROV, Ivan Vasil'yevich; KALLISTOV, Vasiliy Ivanovich; KONYUKHOV, S.M., dotsent, redaktor; SUTORIKHIN, V.N., dotsent, retsenzent; DUGINA, N.A., tekhnicheskiy redaktor.

[Modernization of metalworking equipment in the Ural Car Factory] Modernizatsiia metalloobrabatyvaiushchego oborudovaniia na Uralvagonzavode. Sverdlovsk, Gos.nauchno-tekhn.izd-vo mashinostorit. lit-ry, 1956. 45 p. (MLRA 10:6)
(Machine tools)

SuTORIKHIN, V.N.

SUTORIKHIN, V. N., Cand Tech Sci -- (diss) "~~Investigation~~ Study of the ~~operation~~ performance of ~~designed mining~~ structure of the chassis of metal well cranes." Sverdlovsk, 1957. 18 pp. (Min Higher Ed USSR, Ural Polytech Inst im S. M. ~~Kirxxx~~ Kirov, Chair of Hoisting Transport Machines),100 copies. (KL, 9-58, 119)

AUTHORS: Petukhov, P.Z. (Dr.Tech.Sc., Prof.) and Sutorikhin, V.N. (Dotsent). 133-6-21/33

TITLE: Rational operation of soaking pit cranes. (Ratsional'naya ekspluatatsiya kolodtsevykh kranov).

PERIODICAL: "Stal'" (Steel), 1957, No.6, pp.550-552 (USSR).

ABSTRACT: As soaking pit cranes are often used for purposes other than the handling of ingots (e.g., for cleaning bottoms from slag and scale), they are often submitted to stresses which were not taken into consideration in their design. This often leads to a breakdown of various parts of cranes. In order to establish the operating conditions and to determine stresses and deformation appearing during the work of these cranes, the Uralskiy Polytechnical Institute carried out an investigation of two cranes operating on the Nov-Tagilsk and Chelyabinsk Works. The results of these investigations are tabulated. It was found that the actual forces, stresses and tortion moments were often higher than those determined theoretically. The use of cranes for cleaning pit bottoms from slag was found to be unsafe in operation and the use of specially designed separate crane for this purpose is recommended.

Card 1/2

SUTORIKHIN, V.N.

Investigating operations of a pit-furnace crane for cleaning hearths of pit furnaces. Sbor.st.Ural.politekh.inst. no.65: 89-102 '58. (MIRA 12:4)
(Cranes, derricks, etc.)

MURZIN, Ivan Konstantinovich, kand.tekhn.nauk; PANAYEVA, Valeriya Ivanovna; SOMOVA, T.M., inzh., red.vypuska; PETUKHOV, P.Z., doktor tekhn.nauk, red.; SUTORIKHIN, V.N., dotsent, red.; KHRISANOV, M.N., kand.tekhn. nauk, red.; DUGINA, N.A., tekhn.red.

[Repairing machine tools] Osobennosti remonta metallorezhushchikh stankov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 77 p. (Biblioteka slesaria-remontnika, no.7)
(MIRA 14:3)

(Machine tools--Maintenance and repair)

MURZIN, Ivan Konstantinovich, kand.tekhn.nauk; KHRISANOV, M.I., kand. tekhn.nauk, red.vypuska; PETUKHOV, P.Z., doktor tekhn.nauk, red.; SUTORIKHIN, V.N., dotsent, red.; SOMOVA, T.M., inzh., red.; GALANIN, A.I., inzh., red.; DUGINA, N.A., tekhn.red.

[Inspection of repair operations] Kontrol' remontnykh operatsii. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 105 p. (Biblioteka slesaria-remontnika, no.10). (MIRA 14:7)

(Machinery—Maintenance and repair)
(Measuring instruments)

RYKOV, M.I.; PETUKHOV, P.Z. doktor tekhn.nauk; SUTORIKHIN, V.N., kand.tekhn. nauk

Increasing the capacity of a pouring crane. Metallurg 5 no.5:24-25 My '60. (MIRA 14:3)

1. Zamestitel' glavnogo mekhanika Nizhno-Tagil'skogo metallurgicheskogo lombinata (for Rykov). 2. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova (for Petukhov, Sutorikhin).
(Open-hearth furnaces—Equipment and supplies)

SUTORIKHIN, V.N.

Dynamic phenomena in metal structures of crane shafts for pit furnaces caused by starting and braking. Trudy Ural.politekh.inst. no.104:29-37 '61. (MIRA 14:6)

(Cranes, derricks, etc.)

SUTORIKHIN, V.N.

Dynamic phenomena in metal structures of crane shafts for pit furnaces in case if shaft bottom hits supports. Trudy Ural.politekh. inst. no.104:38-48 '61. (MIRA 14:6)
(Cranes, derricks, etc.)

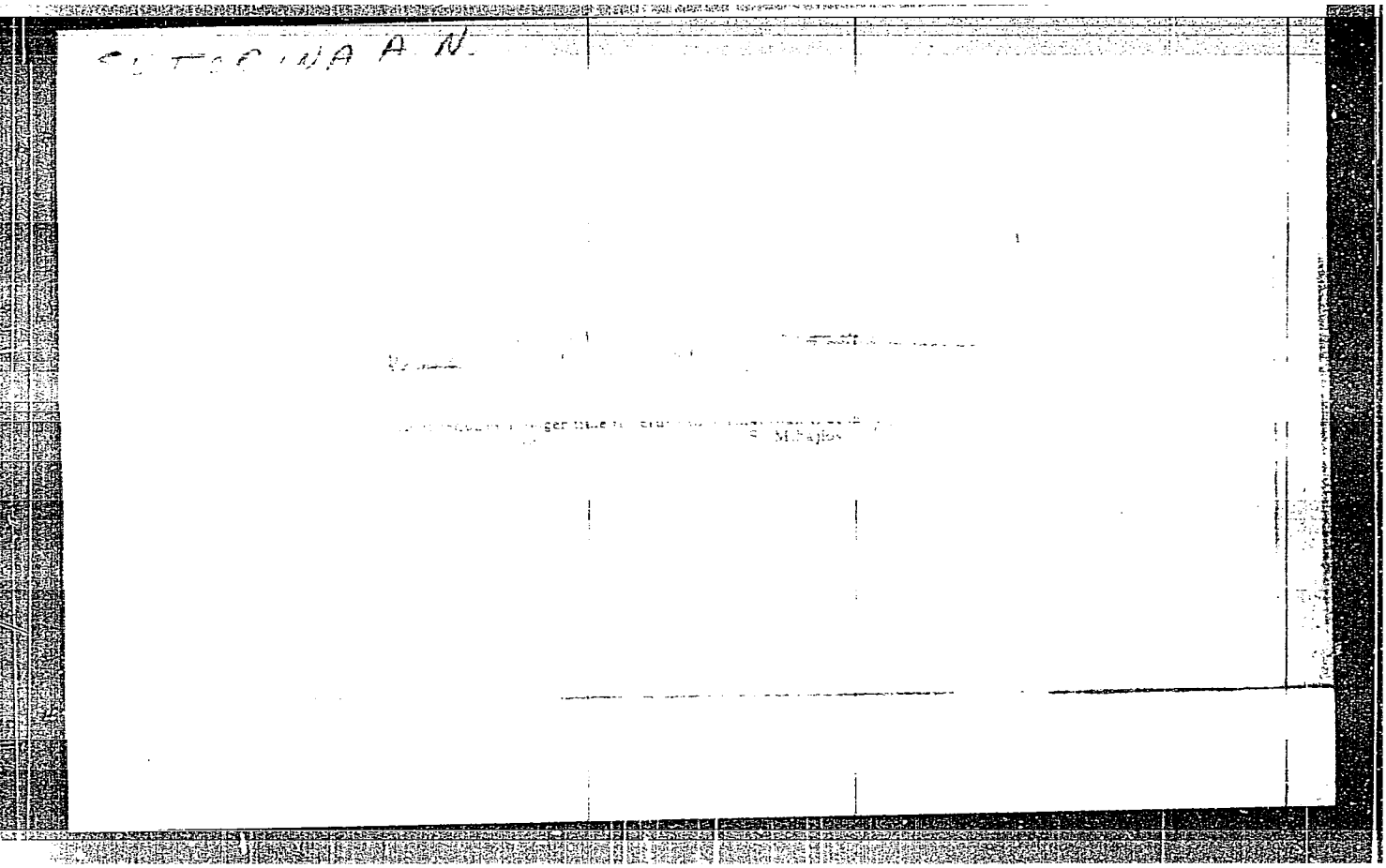
BOGOYAVLENSKIY, V.N.; SUTORIKHIN, V.N.

Investigating the performance of metal structures of cranes used in warehouses for finished products of roughing shops at the Nizhniy Tagil Steelworks. Trudy Ural.politekh.inst. no.104:74-78 '61. (MIRA 14:6)

(Nizhniy Tagil--Steelworks) (Cranes, derricks, etc.)

SUTORIKHIN, V.N., kand. tekhn. nauk, dotsent; CHERNYY, V.F., kand. tekhn. nauk, dotsent

Dynamic loads acting on metal structures of cranes with shafts. Izv. vys. ucheb. zav.; mashinostr. no.9:119-123 '65. (MIRA 18:11)



FURDIK,M.; SUTORIS,V.; DRABEK, J.

Synergists of pyrethrum. II. Acta r nat Univ Com 3 no.2/3:99-107 '59. (EEAI 10:5)

(Synergists) (Pyrethrum)

SUTORIS, Viktor, promovany chemik, C.Sc.

On pyrethrum synergists. Part 8: Syntheisi Cis-N-substituted 7-methylisopropylidene-bicyclo-[1,2,2]-heptene-(5)-2,3-dicarboxymides. Chem zvesti 15 no.11/12:807-814 N-D '61.

1. Katedra organickej chemie a biochemie Prirodovedeckej fakulty University Komenskeho, Bratislava, Prirodovedeckej Smeralova 2.

45195

Z/043/63/000/001/002/004
D287/D307

AUTHORS: Furdik, M. and Sutoris, V.

TITLE: Synergists of pyrethrum. X. Investigation on the reaction of bicyclo-1,2,2,heptene-5-2,3-dicarboximide and its N-methylol derivative with aliphatic halocompounds

PERIODICAL: Chemické Zvesti, no. 1, 1963, 31-40

TEXT: The present work is a continuation of earlier investigations by the authors with the difference that the reaction outlined in the title was studied to prepare 14 different compounds with various substituents on the imide nitrogen. The starting material, which is the endo-isomer, was prepared by the method described by M. S. Morgan et al; all the prepared derivatives showed endo-isomerism. The principal reaction comprised substitution of the hydrogen atom of the N-methyl group by a non-hydrocarbon residue X (X = $-COOC_2H_5$, $-COOC_3H_7$, $COOCH(CH_3)_2$, $-COCH_3$, $-COC_6H_5$, $-CH_2OH$, -Cl, $-OCOCH_3$, etc.). Experiments were carried out on the synergistic and

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Synergists of pyrethrum ... Z/043/63/000/001/002/004
D287/D307

insecticidal properties of these compounds, in conjunction with pyrethrum. The toxicity indices for Musca domestica were relatively low when compared with the indices of the N-methyl derivative. Only the Cl-derivative had an increased toxicity index (439 to 675). whereas all other derivatives had reduced insecticidal and synergistic properties (e.g. 439 to 227 in the case of the -OH derivative and 439 to 151 for $-CH_2OH$ derivatives). Cl-substitution has, therefore, similar (although slightly more pronounced) effects to substitution of the methyl group ($-N-CH_2CH_3 \approx -N-CH_2Cl$). There are 1 figure and 2 tables.

ASSOCIATION: Katedra organickej chémie a biochémie Prirodovedeckej fakulty Univerzity Komenského, Bratislava (Department of Organic Chemistrx and Biochemistry of the Faculty of Natural Sciences, Komensky University, Bratislava)

SUBMITTED: August 7, 1962

Card 2/2

SUTORIS, Viktor, promovany chemik, ScC.

On pyrethrum synergists. Pt. 11. Chem zvesti 17 no.5:307-317 '63.

1. Katedra organickej chemie a biochemie, Prirodovedecka fakulta University Komenskeho, Bratislava, Smerlova 2.

L 00169-66 EWT(1)/EWA(j)/EPF(c)/EWP(j)/EWA(b)-2 RO/RM
ACCESSION NR: AP5025528 CZ/0043/65/000/005/0379/0388

AUTHOR: Sutoris, V. (Docent, Candidate of sciences)

TITLE: Pyrethrum synergists (XV). Influence of addition of O, O-Dialkyldithiophosphoric acids to endo-cis-n-methylbicyclo [1,2,2] hept-5-ene-2,3-dicarboxylic acid imide and its derivatives

SOURCE: Chemicke zvesti, no. 5, 1965, 379-388

TOPIC TAGS: phosphoric acid, organic sulfur compound, organic nitrogen compound, cyclic group, carboxylic acid, insecticide, synergy

ABSTRACT: [Author's English summary]: Changes of biological activity due to addition of O,O-dialkyldithiophosphoric acid groups to N-methyl group of endo-cis-N-methylbicyclo[1,2,2]hept-5-ene-2,3-dicarboxylic acid imide were studied. Products of the reaction are active insecticides, and are not synergists in the true sense of the word. The addition of O,O-dialkyldithiophosphoric acid to the double bond in the position C(5) lowers both the pseudosynergetic effect as well as insect killing properties. Endo-cis-N-/S-(O,O-dialkyldithiophosporic)

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L 00169-66
ACCESSION NR: AP5025528

methyl 7-3-carboxamido-5-[S-(O,O-dialkyldithiophosphoric)]bicyclo[1,2,2]heptane-2-carboxylic acid methyl esters are more active than the unesterified ones. "Professor of Engineering M. Furdik is thanked for his comments on the paper. The whole Biological Department of the Research Institute of Agrochemical Technology at Bratislava is thanked for research on synergistic and insecticidal effects. Engineer J. Krsk, of the Anayltical Department of the Research Institute of Agrochemical Technology at Bratislava, is thanked for performing the analysis." Orig. art. has: 1 figure and 5 tables.

ASSOCIATION: Katedra Organickej Chemie a Biochemie Prirodovedeckej Fackulty Univerzity Komenskeho, Bratislava (Department of Organic Chemistry and Biochemistry, Faculty of Natural Sciences, Comenium University)

SUBMITTED: 220ct64 ENCL: 00 SUB CODE: GC, LS

NR REF SOV: 001 OTHER: 004 JPRS

Card 2/2

L 00170-66 EPF(c)/EWP(j)/EWA(c) RM

ACCESSION NR: AP5025529 CZ/0043/65/000/005/0389/0402

44,55 44,55

AUTHOR: Furdik, M. (Professor, Engineer); Sutoris, V. (Docent, Candidate of sciences)

TITLE: Pyrethrum synergists (XVI). Synthesis of some new substances derived from cyclopentadiene, fulvene, and n-substituted bicyclo [1,2,2] hept-5-ene-2,3-dicarboxylic acid imide

SOURCE: Chemicke zvesti, vol 19, no. 5, 1965, 389-402

TOPIC TAGS: synergy, organic nitrogen compound, cyclic group, organic sulfur compound, phosphoric acid, carboxylic acid, substituent

ABSTRACT: [Authors' English summary modified]: Synthesis of pyrazoline derivatives in adding diazomethane to the ethylene double bond in position C(5) was studied. N-substituted bicyclo[1,2,2]hept-5-ene-2,3-dicarboxylic acid-3-amide, bicyclo[1,2,2]hept-5-ene-2,3-dicarboxylic acid imide, and its 7-dialkylmethylene and 7-methylphenylmethylene derivatives were used. 5,6-epoxide ring derivatives were also investigated. It was not possible to obtain derivatives of exo-cis-N-substituted bicyclodicarboxylic acid im-

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L 00170-66
ACCESSION NR: AP5025529

ide starting from 6-methyl-6-phenylfulvene because of steric hindrance. Preparation of bis-cyclopentadiene and tris-6-methyl-6-propylfulvene adducts with O,O-dialkyldithiophosphoric acids was used for their structure study. "Engineer J. Krsk, of the Analytical Department of the Research Institute of Agrochemical Technology at Bratislava and J. Grnakova, of the Chemical Laboratory, Natural Sciences Faculty, Comenius University, Bratislava, are thanked for performing the analysis. Engineer J. Synak, Group Leader of the Biological Department of the Research Institute of Agrochemical Technology at Bratislava, is thanked for testing." Orig. art. has: 4 tables.

SUBMITTED: 220ct64 ENCL: 00 SUB CODE: OC, GC

NR REF SOV: 000 OTHER: 017 JPRS

Card 2/2

FURDIK, Mikulas, prof., inz.; SUTORIS, Viktor, doc., CSc.

Synergists for pyrethrum. Pt.16. Chem zvesti 19 no.5:389-402 '65.

1. Chair of Organic Chemistry and Biochemistry of the Faculty of Natural Sciences of Komensky University, Bratislava, Smeralova 2. Submitted October 22, 1964.

SUTORISOVA-STOLZOVA M.

Zoonozy a ich prevencia. /Zoonosis and its prevention/ Sloven. lekar 12:6 June 50 p. 316-30.

1. Of the Institute of Hygiene, Branch of the Medical Faculty in Kosice (Head--Docent M. Sutorizova-Stolzova, M.D.).
CLML Vol. 20, No. 2 Feb 1951

SUTORISOVA-STOLZOVA, Margita, M.D.

Blood transfusion service in Paris. Bratisl.lek.listy. 30 no.2: 186-198 F '50. (CIML 19:2)

1. Of the Hygienic Institute of the Branch of Medical Faculty, Slovak University in Kosice.

SUTORISOVA-STOLZOVA, MARGITA,

SUTORISOVA-STOLZOVA, Margita; DUBAY, Ladislav

Revitalization of old desiccated cultures of Rickettsia. Cesk. hyg. epidem. mikrob. 2 no.2:107-111 Apr '53.
(RICKETTSIA, culture,
revitalization of old dessicated cultures)

SUTORISOVA-STOLCOVA, M.

SUTORISOVA-STOLCOVA, M., Bratislava, Sasinkova 9.

I.I.Mecnikov and his pupil Gamaleja as founders of Soviet microbiology. Lek. obzor 3 no.11:679-683 1954.

(MICROBIOLOGY
in Russia, contribution of I.I.Mecnikov & Gamaleja)
(BIOGRAPHIES
Mecnikov, I.I.)
(BIOGRAPHIES
Gamaleja, N.F.)

SUTORISOVA-STOLZOVA, Margita; GEORCH, Dionyz

Antibodies following typhus. Cesk. epiden. microb. imun. 6 no.1:43-47 Jan 57.

1. Krajska hygienicko-epidemiologicka stanica v Bratislave, riaditel MUDr. Frantisek Schulz.
(TYPHUS, immunology,
antibodies in convalescence (Cz))

CERVENKA, J.; BERTAN, J.; SUTORISOVA-STOLZOVA, M.

A small epidemic of typhus developing from a case of Brill-Zinsser's disease in a louse-infested environment. Cesk.epidem. mikrob.imun. 9 no.3:148-155 Ap '60.

1. Hygienicko-epidemiologicky odbor poverenictva zdravotnictva v Bratislave. Krajska hygienicko-epidemiologicka stanica v Banskej Bystrici. Krajska hygienicko-epidemiologicka stanica v Bratislave. (TYPHUS epidemiol.)

KAROLCEK,J.; SUTORISOVA, M.; DUBAY, L.; STEFANOVIC. J.

Development and prospects of medical microbiology in Slovakia. Cesk. epidem. 13 no.3:129-135 My'64.

1. Ustav epidemiologie a mikrobiologie a katedra mikrobiologie SUDL v Bratislave; Ustav lekarskej mikrobiologie a immunologie Lekarskej fakulty UK [Komenskeho university] v Bratislave; Ustav lekarskej mikrobiologie Lekarskej fakulty UPJS [University P.J.Safarika] v Kosiciach.

SUTORMIN, A. M. (Aspirant)

"The Investigation of a Polyphase Autonomous Inverter Loaded With an Induction Motor." Cand Tech Sci, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, 24 Dec 54. (VM, 14 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

SUTORMIN, A.M., kand.tekhn.nauk

External characteristics of multiphase autonomous converters feeding asynchroneous motors. Sbor. nauch.-issl. rab. TTI no.3:55-62 '56. (MIRA 11:9)

(Electric current converters) (Electric motors, Induction)

SUTORMIN, A.M., kand.tekhn.nauk

Simplified constructions used in calculating intersection lines of certain ruled surfaces where the drawing area is limited. Sbor. nauch.-issl. rab. TTI no.3:119-120 '56. (MIRA 11:9)
(Mechanical drawing)

SUTORMIN, A.M., dotsent

Calculating the rated power of a transformer for a six-phase autonomous inverter. Sbor.nauch.-issl.rab. TTI no.9:61-66 '60. (MIRA 15:6)
(Electric transformers)

SUTORMIN, A.M., dotsent

Possibility of increasing the rate of cotton fiber compression and improving the coefficient of power of the pump engine of the baling press. Sbor.nauch.-issl.rab.TTI no.12:79-86 '61. (MIRA 15:11)
(Cotton gins and ginning—Equipment and supplies)

SUTORMIN, I.F.; SHEVCHENKO, M.I.

School for the advanced training of specialists. Zashch. rast. ot vred. i bol. 3 no.5:58 S-O '58. (MIRA 11:10)

1. Direktor Velikolukskogo sel'skokhozyaystvennogo instituta (for Sutormin). 2. Dekan fakul'teta Velikolukskogo sel'skokhozyastvennogo instituta (for Shevchenko).
(Velikiye Luki--Plants, Protection of--Study and teaching)

SUTORIKHA, R. V.

Cand tech sci

Dissertation: "Investigation of the Physical and Technological Properties of Certain Types of Defective Cocoons and Selection of Method for Their Most Efficient Unwinding."

21/6/50

Moscow Textile Inst.

SO Vecheryaya Moskva
Sum 71

SUTORMINA, R.V., kand. tekhn. nauk, dotsent

Piercing of fabrics by the needle of the sewing machine. Izv. vys. ucheb. zav.; tekh. leg. prom. no.5:77-83 '63. (MIRA 16:12)

1. Tashkentskiy tekstil'nyy institut. Rekomendovana kafedroy tekstil'nogo materialovedeniya.

SUTORMINA, V. N.

1271. Inflyatsiya v SSHA (1946-1953gg.) M., 1954. 15s. 21sm. (Akad. Nauk. SSSR in-t ekonomiki). 100ekz B. ts.--[54-54219].

SO: Knizhnaya Letopis, Vol. 1, 1955

SUTOROKHIN, N.B.

Engineering method for evaluating the reliability of some mechanical and electronic systems. Trudy ucheb. inst. sviazi no.14:135-142 '63. (MIRA 17:9)

1. Novosibirskiy elektrotekhnicheskiy institut svyazi.

VASIL'KEVICH, inzh.; NIKITIN, G.; SUTORSHIN, V.

Transistor condenser in the IF channel. Radio no.1:37-39 Ja '62.
(MIRA 15:1)

(Condensers (Electricity)) (Transistors)
(Radio--Receivers and reception)

SHCHEGLYAYEV, A.V.; SMEL'NITSKIY, S.G., kand.tekhn.nauk; SUTORSHINA, T.N., inzh.; KALASHNIKOV, A.A., inzh.

Problems of the use of discharge systems in boiler-turbine units. Teploenergetika 12 no.1:2-9 Ja '65. (MIRA 18:4)

1. Moskovskiy energeticheskiy institut. 2. Chlen-korrespondent AN SSSR (for Shcheglyayev).

SUTORY, Karel; HENDRICH, Frantisek

Our experiences with the study of serum cholinasterase activity in hepatopathies. Cas. lek. cesk. 99 no.23:711-716 3 Je '60.

1. Vnitrni oddeleni OUNZ v Novem Meste na Morave, prednosta MUDr. Frantisek Hendrich.

(CHOLINESTERASE blood)
(LIVER DISEASES blood)

SUTORY, Karel, MUDr.; KYCHLER, Ludek; HORAK, Josef; DOUBKOVA, Dagmar.

Evaluation of the test with Lugol solution. Vnitrni lek. 11 no.6:545-553 Je'65.

1. Vnitrni oddeleni okresni nemocnice v Novem Meste na Morave (prednosta: MUDr. Karel Sutory).

SUTORY, K.; SITAR, J.

Contribution to the treatment of dumpling syndrome. Cesk. gastroent. vyz. 15 no.2:117-123 Mr '61.

1. Vnitrni oddeleni nemocnice v Novem Meste na Morave, prednosta primar MUDr. Frantisek Hendrich.

(GASTRECTOMY compl)

SABINOVSKIY, [illegible]

Feed Water Purification

Bubbling in deaerators of feed water.
Elek. Sta., 23, No. 4, 1952.
Inzh. Sverdlovenergo

SO: Monthly List of Russian Accessions, Library of Congress, August 1952 1953, Uncl.

1. SAVINOVSKIY, D. A. Eng.: SUTOTSKIY, G.P., Eng.

2. USSR (600)

4. Feed Water

7. "Preparation of feed water." Prof. M. S. Shkrob. Reviewed by Engs. D. A. Savinovskiy, G. P. Sutotskiy. Elek.sta. 23 No. 9, 1952.

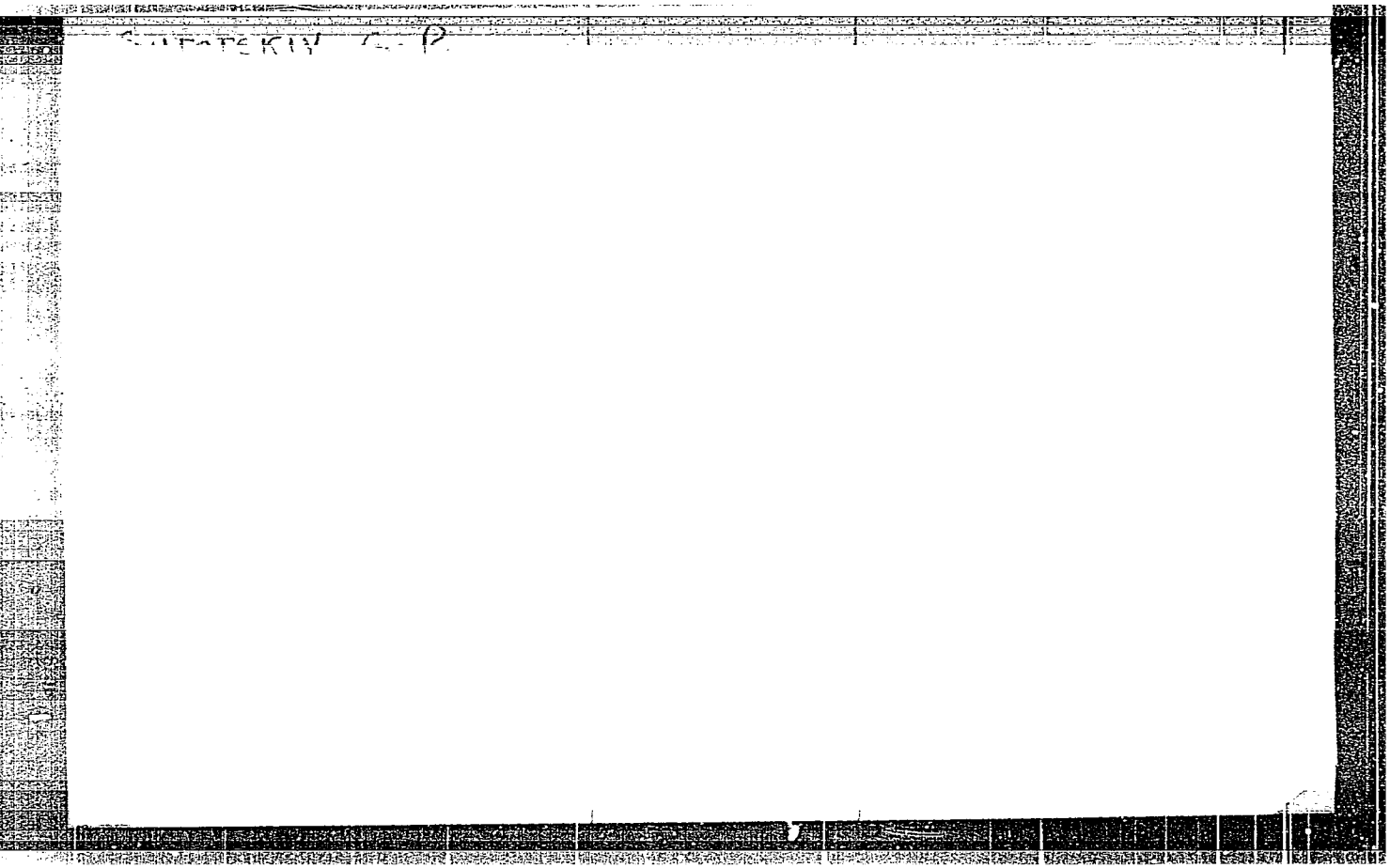
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

SUTOTSKIY, G.P.

Fuel Abstracts
May 1954
Steam Raising
and Steam Engines

(2) Fuels

3788. DETERMINATION OF COOLING WATER INTAKE INTO TURBINE CONDENSERS. Savinovskii, D.A. and Sutotskii, G.P. (Elekt. Sta. (Pwr Sta., Moscow), Oct. 1953, vol. 24, 24, 25). Cooling water intake should be determined on the basis of condensate analysis according to the reading for the minimum relative suction. For most power station water supplies, the most sensitive means of detecting intake is to find the condensate hardness by the complexometric method. The establishment of a standard for the permissible amount of cooling water intake into the turbine condensate is considered inexpedient. B.E.A.



USSR/Chemical Technology. Chemical Products and Their Application -- Water treatment. Sewage water, I-11

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5393

Author: Sutotskiy, G. P.

Institution: None

Title: Experience with Improvement of the Efficiency of Water Treatment at Metallurgical Plants of the Urals

Original Publication: Sb. Vopr. proyektirovaniya i ekspluatatsii vodopodgotovitel'nykh ustanovok na teplovykh elektrostantsiyakh, M.-L., Gosenergoizdat, 1955, 163-177

Abstract: Description of electrometric apparatus for determination of the time when saturaters must be recharged; for measurement of concentration: of salt in wash water of cathionite filter (CF); of salt solution fed into CF for regeneration; of acid or salt solutions after they have been diluted while being fed into CF; for the determination of the end of displacement of solutions of coagulating agents or alkali

Card 1/2

AID P - 3876

Subject : USSR/Engineering

Card 1/1 Pub. 28 - 4/7

Author : Sutotskiy, G. P.

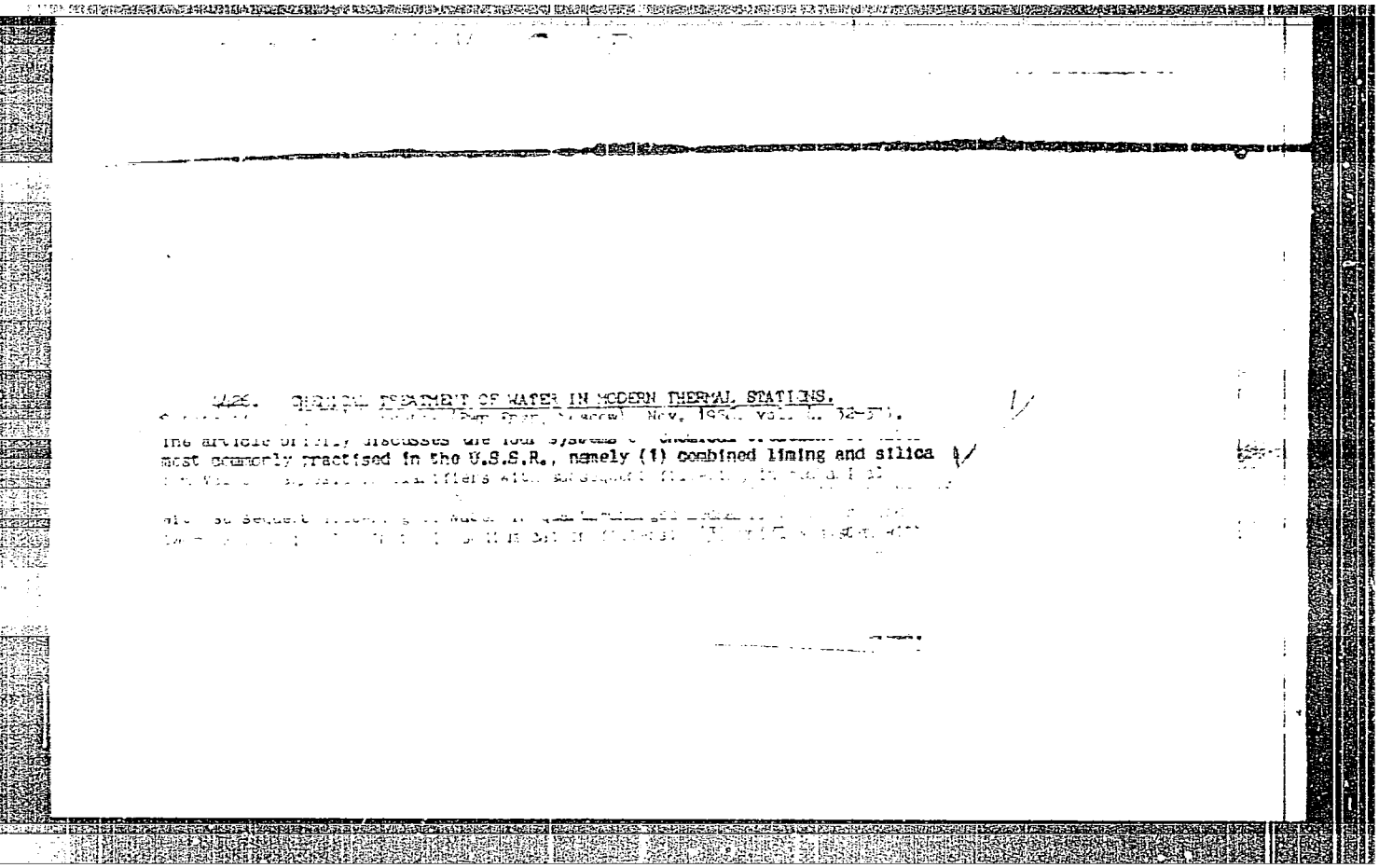
Title : Experience with Elimination of Chemical Differences of Feed-water in a Multidrum Boiler

Periodical : Energ. byul., 11, 22-24, N 1955

Abstract : The author describes his tubing connection for horizontal-tubular multidrum boilers, such as the Babcock-Wilcox or Shukhov, to obtain the same alkalinity of feed-water. One sketch and several tables.

Institution : None

Submitted : No date



[illegible]. CHEMICAL TREATMENT OF WATER IN MODERN THERMAL STATIONS.

[illegible] Nov. 195[illegible] Vol. [illegible] 32-5[illegible].

The article briefly discusses the four systems [illegible] most commonly practised in the U.S.S.R., namely (1) combined liming and silica

SUTOTSKIY, G.P.

USSR /Chemical Technology. Chemical Products and Their Application I-14

Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31756

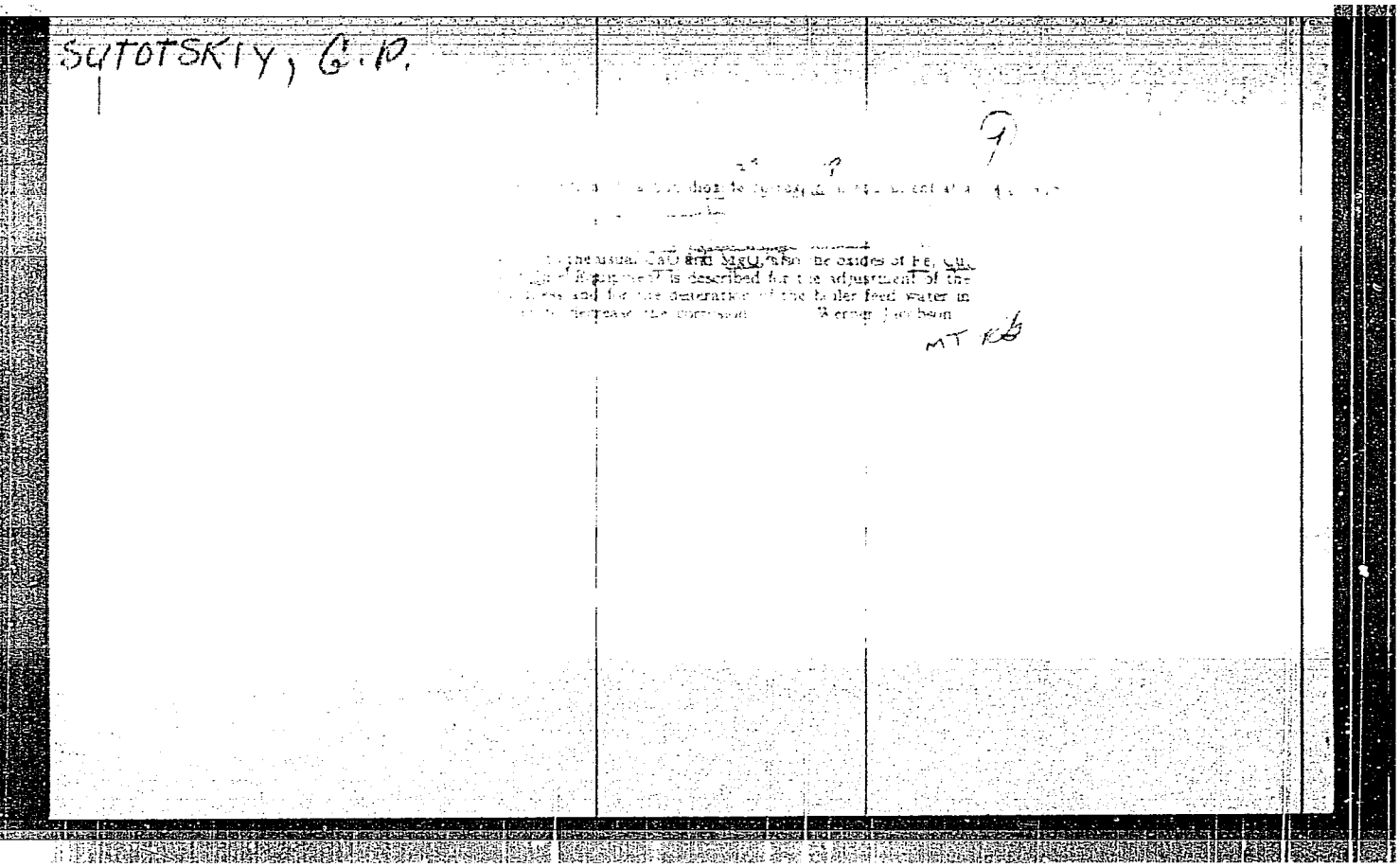
Author : Sutotskiy G.P.

Title : Chemical Treatment of Water at Modern Thermal Electric Power Stations

Orig Pub: Energetik, 1956, No 11, 32-37

Abstract: Brief description of the problems involved in chemical treatment of water at thermal power stations, norms, methods for the regulation and control of the quality of feed- and boiler water, steam and replenishing water of heat-supplying distributing systems. The most frequently utilized systems of water conditioning are described

Card 1/2



SUTOTSKIY, G.P.

9

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SUTOTSKIY, G.P., inzhener.

Water treatment with complete removal of carbon dioxide in high-pressure condensing power stations. Teploenergetika 4 no.9:48-50 S '57. (MLRA 10:8)

1. Uralenergochermet.
(Feed-water purification)

SUTOTSKIY, G.P., inzh.

New techniques in feed-water treatment in electric power plants of ferrous metal plants in the Ural Mountain region. Trudy NTO chern. met. 20:192-204 '60. (MIRA 13:10)

1. Uralenergochermet.
(Feed-water purification)
(Ural Mountain region--Metallurgical plants)

SAVINOVSKIY, D.A., inzh.; SUTOTSKIY, G.P., inzh.

"Treatment of water" by F.I.Delan. Reviewed by D.A. Savinovskii, G.P. Sutotskii. Teploenergetika 8 no.4:94-95 Ap '61. (MIRA 14:8)

(Feed-water purification)
(Delan, F.I.)

SUTOTSKIY, G.P., kand. tekhn. nauk

Ammonium salts in impulse tubes of equipments. Elek. sta. 35 no.12:69-70 D '64. (MIRA 18:2)

SUTOTSKIY, G.P., kand. tekhn. nauk; SHCHELOKOV, Ya.M., inzh.

Effect of salt content of boiler water on the hydraulic resistance of boiler stages. Elek. sta 36 no.4:24-26 Ap '65.
(MIRA 18:6)

SUTOTSKIY, G.P., kand.tekhn.nauk; SHCHELOKOV, Ya.M., inzh.

Efficient burning of natural gas in industrial electric power plants in the Urals. Prom.energ. 20 no.12:26-30 D '65. (MIRA 18:12)

SILIN, V.V.; SUTOTSKIY, I.N.; DUBOVTSEVA, V.A.; ANTONOV, D.G., otv.red.; PEVZNER, A.S., zaveduyushchiy redaktsiyey izd-va; OSENKO, L.M., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 30. [Assembling boiler units] Montazh kotel'nykh ustanovok. 1960. 121 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. TSentral'noye normativno-issledovatel'skoye byuro Ministerstva stroitel'stva elektrostantsiy SSSR (TsNIB MSES) (for Sutotskiy, Dubovtseva).
(Wages) (Boilers)

SUTOTSKIY, N.B.

BUSHUYEV, M.N., inzh., red.; BEREZIN, B.A., inzh., red.; MERNIK, M.Kh., inzh., red.; SUTOTSKIY, N.B., inzh., red.; IDEL', Yu.U., kand. tekhn. nauk., red.; GOFMAN, Ye.K., red. izd-va; POL'SKAYA, R.G., tekhn. red.

[Technical development at the Leningrad Stalin Metal Works] Razvitie tekhniki na Leningradskom metallicheskom zavode imeni Stalina. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 313 p. (MIRA 11:9)

(Turbines) (Leningrad—Metal industries)

Fpp
.R92433

SUTOTSKIY, Sergey Borisovich.

Zhivoye tvorchestvo mass (Living work of the masses) Moskva, Gospolitizdat, 1955.
61 p.

hhb

CHERNENKO, M.B.; LUKIN, Yu.B.; GUSEV, K.M.; KUDREVATYKH, L.A.; MAKARENKO, Ya.I.; SATYUKOV, P.A., red.; STEPANOV, V.P., red.; SELYUK, S.I., red.; SUTOTSKIY, S.B., red.; ABALKIN, N.A., red.; KOZEV, N.A., red.; AVERCHENKO, B.Ye., red.; SOBOLEV, L.S., red.; SIMONOV, K.M., red.; POLEVOY, B.N., red.; GALIN, B.A., red.

[Heroes of our times] Geroi nashikh dnei. Moskva, Izd. gazety "Pravda," 1961. 619 p. (MIRA 14:11)
(Labor and laboring classes)

SUICV, A. K.

Outstanding tractor brigade. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1953. 38p.
(Peredovoi opyt v sel'skom khozyaistve) (54-42234)

S/60.R9S49

SUTOVA, M. (Bucuresti)

Use of radioactive isotopes in zoology. Natura Biologie 14 no.2:88-90 Mr-Ap '62.

HAMAR, M.; SUTEU, Gh.; SUTOVA, M.

Home range studies in rodents by marking with P^{32}.
Rev biol 8 no. 4: 431-446 '63.

1. Section of Plant Protection Central Institute for Agricultural Research.

HAMAR, M.; SUTEU, Gh.; SUTOVA, Maia

Study of the individual sector and diurnal activity in mole rats (Spalax leucodon Nordm.) by marking with Co^{60}. Studii cerc biol s. zool 16 no.6:541-552 '64.

1. Laboratory of Mammals of the Section of Plant Protection of the Central Institute of Agricultural Research and Laboratory of Isotopes of the Research Institute for Cereals and Industrial Plants.

SUTOVSKAYA, I.V.

Problem of the sexualization of fungi today. Bot. zhur. no.8: 1181-1190 Ag '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fitopatologii (VNIIF), Moskva.
(Plants, Sex in) (Fungi--Physiology)

SUTOVSKIY, P.M., inzh.; GANIYEV, S.M., inzh.; TIMOFEYEV, V.I., inzh.

Machine for the friction welding of connection ends to drill pipes. Svar.proizv. no.2:15-17 F '64. (MIRA 18:1)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut neftyanogo mashinostroyeniya.

L 04680-67 EWT(d)/EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) JD/HM

ACC NR: AR6020943 SOURCE CODE: UR/0137/66/000/002/E029/E029

AUTHOR: Abdullayev, A. A.; Kornev, T. N.; Mekhtiyev, R. A.; Sutovskiy, P. M.

TITLE: Experimental machine for welding compressed gas cylinders by means of an electric arc rotating in a magnetic field

SOURCE: Ref. zh. Metallurg, Abs. 2E219

REF SOURCE: Tr. Azerb. n.-i. in-ta neft. mashinostr., vyp. 3, 1965, 340-351

TOPIC TAGS: arc welding, welding equipment

TRANSLATION: The experimental machine was developed for arc welding in a magnetic field. The machine is intended for the welding of various joints in petroleum industry machinery and consists of the following basic components: right and left clamping devices mounted on guide frames. A description of the construction and operation of the machine is presented. F. Fomenko.

SUB CODE: 13,11

UDC: 621.791.75.037:624.074.7

Card 1/1 fv

SHTOVSKIY, S.M.

Improving the characteristics of an optical analyzer by the use of a dielectric photoeffect. Izv. vys. ucheb. zav.; tsvet. met. 5 no.5: 156-160 '62. (MIRA 15:10)

1. Azerbaydzhanskiy institut nefti i khimii, kafedra elektricheskikh izmereniy i vychislitel'noy tekhniki.
(Optical instruments) (Photoelectricity)

SUTOVSKIY, S.M.; RUVIMOV, E.S.; MAKSIMOVA, V.S.

Monochromatic system for an ultraviolet analyzer. Izv. vys. uchsb. zav.; neft' i gaz 6 no.10:40 '63. (MIRA 17:3)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova i Nauchno-issledovatel'skiy institut po kompleksnoy avtomatizatsii proizvodstvennykh protsessov v neftyanoy i khimicheskoy promyshlennosti.